

Eric Chu

eric.chu.56@gmail.com

Education

- 2017–2021 **PhD, Massachusetts Institute of Technology (MIT)**
Computer science and artificial intelligence
- 2015–2017 **MS, Massachusetts Institute of Technology (MIT)**
Computer science and artificial intelligence
- 2010–2014 **BS, University of California, Berkeley**
Electrical Engineering & Computer Science
- 2013 Visiting Student, **University of Oxford**

Industry Experience

- 2022 – **Google, Research Scientist**
Large language models.
- 2019 **Facebook AI Research (FAIR), Research Intern**
Worked on dialogue generation, experimenting with large-scale memory models that blend retrieval and generation.
- 2018 **Google Brain, Research Intern**
Developed the first end-to-end model for unsupervised, multi-document, abstractive summarization. Paper accepted to ICML.
- 2015 **Facebook, Data Scientist,**
Worked on ad moderation (document-based classifiers, human-AI collaborative system).
- 2014 **Facebook, Data Scientist Intern**
Analyzed community and interest groups, with a focus on health and emergent behavior.
- 2013 **Knewton, Software Engineer Intern**
Full-stack development for education-tech startup.

Academic Research Experience

- 2015–2021 **MIT, PhD Candidate**
Projects in machine learning across natural language processing, computer vision, audio processing, computational social science, and human-computer interaction.
- 2011–2014 **UC Berkeley, Undergraduate researcher**
Worked on projects spanning data analysis, computer vision, and biomedical imaging.
- 2013 **Oxford University, Undergraduate researcher**
Experimented using support vector machines to classify protein behavior.

■ First-author Publications

- [1] **Eric Chu**. "Evolving Evocative 2D Views of Generated 3D Objects". *NeurIPS Machine Learning For Creativity and Design Workshop*, 2021.
- [2] **Eric Chu**, Deb Roy, and Jacob Andreas. "Are Visual Explanations Useful? a Case Study in Model-in-the-loop Prediction." *Preprint*, 2020.
- [3] **Eric Chu**, Nabeel Gillani, and Sneha Priscilla Makini. "Games for Fairness and Interpretability." *Companion Proceedings of the Web Conference (WWW) (Also accepted to ICLR Towards Trust-worthy ML Workshop)*, 2020.
- [4] **Eric Chu**^{*} and Peter Liu^{*}. "Meansum: a Neural Model for Unsupervised Multi-document Abstractive Summarization." *International Conference on Machine Learning (ICML)*, 2019.
- [5] **Eric Chu**^{*}, Prashanth Vijayaraghavan^{*}, and Deb Roy. "Learning Personas from Dialogue with Attentive Memory Networks." *Empirical Methods in Natural Language Processing (EMNLP)*. 2018.
- [6] **Eric Chu**. "Artistic Influence GAN." *NeurIPS Machine Learning For Creativity and Design Workshop*, 2021.
- [7] **Eric Chu** and Deb Roy. "Audio-visual Sentiment Analysis for Learning Emotional Arcs in Movies." *International Conference on Data Mining (ICDM)*, 2017.